Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/30/2021 09:21 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/05/2021 10:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124705	-1	2.77	124569	2.82
Blue	F	SSC	125000	124387	-1	4.73	124668	4.66
Blue	E	FITC	14400	13969	-3	3.28	322	14.83
Blue	D	PE	24713	24530	-1	2.87	562	11.09
Blue	B	PerCP-Cy5-5	31796	31599	-1	3.92	1047	14.29
Blue	A	PE-Cy7	21240	21256	0	5.85	568	28.19
Red	C	APC	41319	40675	-2	3.60	1700	11.21
Red	A	APC-Cy7	21019	20637	-2	3.90	776	11.49
Violet	B	V450	7305	7035	-4	4.04	434	12.33
Violet	A	V500	28652	27452	-5	3.69	688	9.73

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23298	2.61	565	-4	N/A	N/A	Pass
Blue	F	SSC	57707	3.14	519	7	N/A	N/A	Pass
Blue	E	FITC	58	49.42	491	0	0.0445	0	Pass
Blue	D	PE	119	36.63	489	2	0.3883	284	Pass
Blue	B	PerCP-Cy5-5	193	34.38	585	1	0.0212	42	Pass
Blue	A	PE-Cy7	112	64.86	631	1	0.0235	0	Pass
Red	C	APC	395	23.46	575	2	0.0309	231	Pass
Red	A	APC-Cy7	173	26.22	545	0	0.0066	768	Pass
Violet	B	V450	61	58.33	457	1	0.0564	1713	Pass
Violet	A	V500	99	29.95	470	0	0.0259	265	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-32.08	-31.93	1.00
Blue	20.36	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.40
Red	20.52	15.99 - 23.99	N/A	N/A	30.48	30.62	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 9674

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments